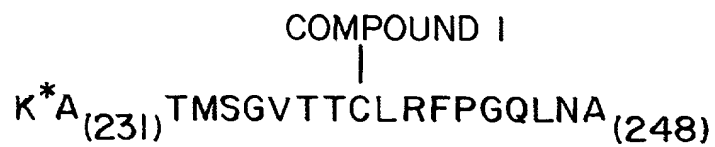
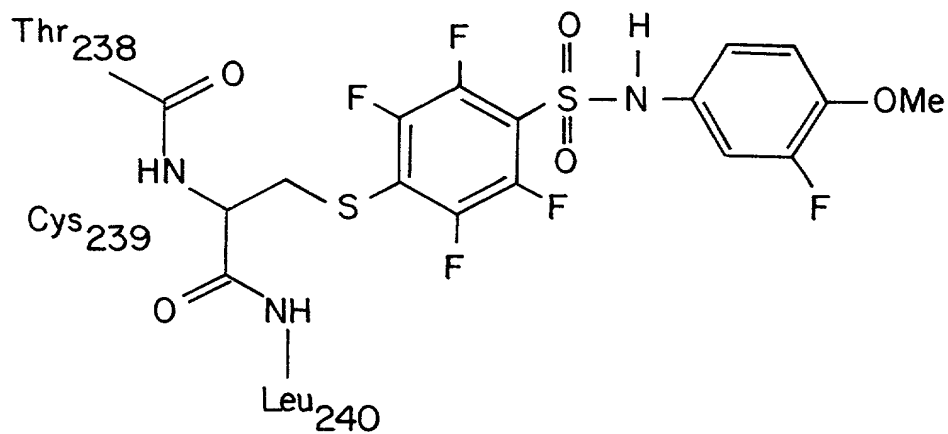


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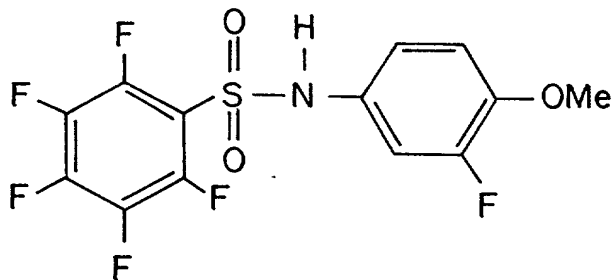
+



**FIG. 1A.**



**FIG. 1B.**



**FIG. 1C.**

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FIG. 2A

+ cmpd 1-modified  $\beta$ 2-tubulin peptide

clone	1F6D8	1B2C11	3A1C11	1F6A11	2C1H7	5F1D4	3F2A4	5F5C11	6D4D11	3F2D2	5F5E4	6D4G4
OD <sub>405/490</sub>	1.445	0.970	1.425	2.020	1.325	1.750	1.395	1.682	1.345	0.086	1.696	1.541
clone	3D12D1	4B6G6	6H8E3	3D12D6	4B6E1	6H8G2	3E10A3	6E7G1	6A7F9	3E10G10	6E7F4	6H10C7
OD <sub>405/490</sub>	1.145	1.019	1.825	1.050	1.132	1.539	0.538	0.854	1.618	0.618	1.340	1.259
clone	3A1G1	5F1D4	6D4D11	3F2A4	6H8E3	NONE						
OD <sub>405/490</sub>	1.546	1.721	1.662	1.487	1.675	0.261						

unmodified  $\beta$ 2-tubulin peptide

clone	1F6D8	1B2C11	3A1C11	1F6A11	2C1H7	5F1D4	3F2A4	5F5C11	6D4D11	3F2D2	5F5E4	6D4G4
OD <sub>405/490</sub>	0.212	0.195	0.346	0.654	0.158	1.319	0.220	0.318	0.323	0.294	0.452	0.252
clone	3D12D1	4B6G6	6H8E3	3D12D6	4B6E1	6H8G2	3E10A3	6E7G1	6A7F9	3E10G10	6E7F4	6H10C7
OD <sub>405/490</sub>	0.755	0.922	1.202	0.290	0.752	1.013	1.180	1.480	1.980	1.133	1.777	1.701
clone	3A1G1	5F1D4	6D4D11	3F2A4	6H8E3	NONE						
OD <sub>405/490</sub>	0.272	1.267	0.475	0.250	1.326	0.174						

FIG. 2A.

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Hybridoma clone	Ig isotype	Specificity
Class 1 1F6D8 1B2C11 3A1C11 2C1H7 3F2A4 5F5C11 6D4D11	IgG <sub>2b</sub> /κ IgG <sub>2b</sub> /κ IgG <sub>1</sub> /κ IgG <sub>1</sub> /κ IgG <sub>1</sub> /κ IgG <sub>1</sub> /κ IgG <sub>1</sub> /κ IgG <sub>1</sub> /κ	cmpd 1-modified β2-tubulin peptide and cellular cmpd 1-modified β-tubulin
Class 2 3D12D1 4B6G6 5F1D4 6H8E3 6H10C7	IgM/κ IgM/κ IgM/κ IgG <sub>2a</sub> /κ IgG <sub>2b</sub> /κ	cmpd 1-β2-tubulin peptide and unmodified β2-tubulin peptide
Class 3 3E10A3 6A7F9 6E7G1	IgG <sub>1</sub> /κ IgG <sub>2b</sub> /κ IgG <sub>2a</sub> /κ	unmodified β2-tubulin peptide

FIG. 2B.

FIG. 3A

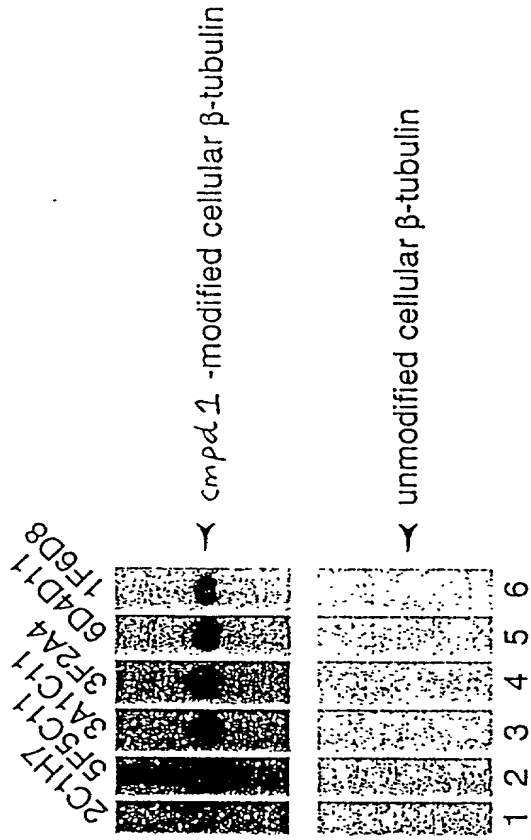


FIG. 3A.

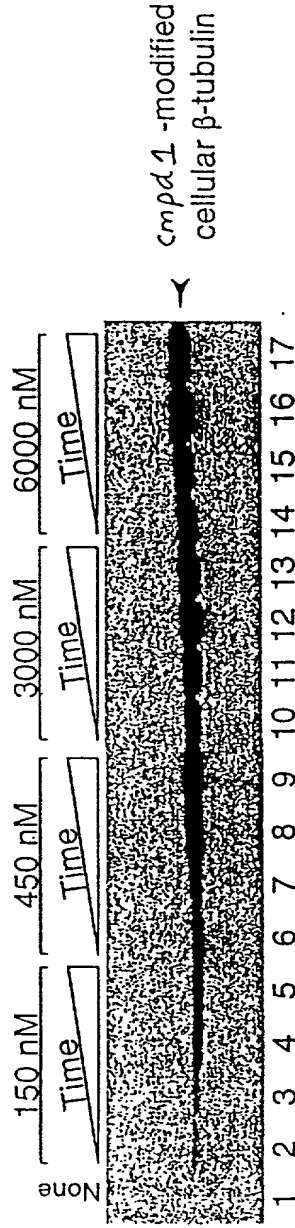
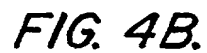


FIG. 3B.



	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)	(AZ)	(BA)	(BB)	(BC)	(BD)	(BE)	(BF)	(BG)	(BH)	(BI)	(BJ)	(BK)	(BL)	(BM)	(BN)	(BO)	(BP)	(BQ)	(BR)	(BS)	(BT)	(BU)	(BV)	(BW)	(BX)	(BY)	(BZ)	(CA)	(CB)	(CC)	(CD)	(CE)	(CF)	(CG)	(CH)	(CI)	(CJ)	(CK)	(CL)	(CM)	(CN)	(CO)	(CP)	(CQ)	(CR)	(CS)	(CT)	(CU)	(CV)	(CW)	(CX)	(CY)	(CZ)	(DA)	(DB)	(DC)	(DD)	(DE)	(DF)	(DG)	(DH)	(DI)	(DJ)	(DK)	(DL)	(DM)	(DN)	(DO)	(DP)	(DQ)	(DR)	(DS)	(DT)	(DU)	(DV)	(DW)	(DX)	(DY)	(DZ)	(EA)	(EB)	(EC)	(ED)	(EE)	(EF)	(EG)	(EH)	(EI)	(EJ)	(EK)	(EL)	(EM)	(EN)	(EO)	(EP)	(EQ)	(ER)	(ES)	(ET)	(EU)	(EV)	(EW)	(EX)	(EY)	(EZ)	(FA)	(FB)	(FC)	(FD)	(FE)	(FF)	(FG)	(FH)	(FI)	(FJ)	(FK)	(FL)	(FM)	(FN)	(FO)	(FP)	(FQ)	(FR)	(FS)	(FT)	(FU)	(FV)	(FW)	(FX)	(FY)	(FZ)	(GA)	(GB)	(GC)	(GD)	(GE)	(GF)	(GG)	(GH)	(GI)	(GJ)	(GK)	(GL)	(GM)	(GN)	(GO)	(GP)	(GQ)	(GR)	(GS)	(GT)	(GU)	(GV)	(GW)	(GX)	(GY)	(GZ)	(HA)	(HB)	(HC)	(HD)	(HE)	(HF)	(HG)	(HH)	(HI)	(HJ)	(HK)	(HL)	(HM)	(HN)	(HO)	(HP)	(HQ)	(HR)	(HS)	(HT)	(HU)	(HV)	(HW)	(HX)	(HY)	(HZ)	(IA)	(IB)	(IC)	(ID)	(IE)	(IF)	(IG)	(IH)	(II)	(IJ)	(IK)	(IL)	(IM)	(IN)	(IO)	(IP)	(IQ)	(IR)	(IS)	(IT)	(IU)	(IV)	(IW)	(IX)	(IY)	(IZ)	(JA)	(JB)	(JC)	(JD)	(JE)	(JF)	(JG)	(JH)	(JI)	(JJ)	(JK)	(JL)	(JM)	(JN)	(JO)	(JP)	(JQ)	(JR)	(JS)	(JT)	(JU)	(JV)	(JW)	(JX)	(JY)	(JZ)	(KA)	(KB)	(KC)	(KD)	(KE)	(KF)	(KG)	(KH)	(KI)	(KJ)	(KK)	(KL)	(KM)	(KN)	(KO)	(KP)	(KQ)	(KR)	(KS)	(KT)	(KU)	(KV)	(KW)	(KX)	(KY)	(KZ)	(LA)	(LB)	(LC)	(LD)	(LE)	(LF)	(LG)	(LH)	(LI)	(LJ)	(LK)	(LL)	(LM)	(LN)	(LO)	(LP)	(LQ)	(LR)	(LS)	(LT)	(LU)	(LV)	(LW)	(LX)	(LY)	(LZ)	(MA)	(MB)	(MC)	(MD)	(ME)	(MF)	(MG)	(MH)	(MI)	(MJ)	(MK)	(ML)	(MM)	(MN)	(MO)	(MP)	(MQ)	(MR)	(MS)	(MT)	(MU)	(MV)	(MW)	(MX)	(MY)	(MZ)	(NA)	(NB)	(NC)	(ND)	(NE)	(NF)	(NG)	(NH)	(NI)	(NJ)	(NK)	(NL)	(NM)	(NN)	(NO)	(NP)	(NQ)	(NR)	(NS)	(NT)	(NU)	(NV)	(NW)	(NX)	(NY)	(NZ)	(OA)	(OB)	(OC)	(OD)	(OE)	(OF)	(OG)	(OH)	(OI)	(OJ)	(OK)	(OL)	(OM)	(ON)	(OO)	(OP)	(OQ)	(OR)	(OS)	(OT)	(OU)	(OV)	(OW)	(OX)	(OY)	(OZ)	(PA)	(PB)	(PC)	(PD)	(PE)	(PF)	(PG)	(PH)	(PI)	(PJ)	(PK)	(PL)	(PM)	(PN)	(PO)	(PP)	(PQ)	(PR)	(PS)	(PT)	(PU)	(PV)	(PW)	(PX)	(PY)	(PZ)	(QA)	(QB)	(QC)	(QD)	(QE)	(QF)	(QG)	(QH)	(QI)	(QJ)	(QK)	(QL)	(QM)	(QN)	(QO)	(QP)	(QQ)	(QR)	(QS)	(QT)	(QU)	(QV)	(QW)	(QX)	(QY)	(QZ)	(RA)	(RB)	(RC)	(RD)	(RE)	(RF)	(RG)	(RH)	(RI)	(RJ)	(RK)	(RL)	(RM)	(RN)	(RO)	(RP)	(RQ)	(RR)	(RS)	(RT)	(RU)	(RV)	(RW)	(RX)	(RY)	(RZ)	(SA)	(SB)	(SC)	(SD)	(SE)	(SF)	(SG)	(SH)	(SI)	(SJ)	(SK)	(SL)	(SM)	(SN)	(SO)	(SP)	(SQ)	(SR)	(SS)	(ST)	(SU)	(SV)	(SW)	(SX)	(SY)	(SZ)	(TA)	(TB)	(TC)	(TD)	(TE)	(TF)	(TG)	(TH)	(TI)	(TJ)	(TK)	(TL)	(TM)	(TN)	(TO)	(TP)	(TQ)	(TR)	(TS)	(TT)	(TU)	(TV)	(TW)	(TX)	(TY)	(TZ)	(UA)	(UB)	(UC)	(UD)	(UE)	(UF)	(UG)	(UH)	(UI)	(UJ)	(UK)	(UL)	(UM)	(UN)	(UO)	(UP)	(UQ)	(UR)	(US)	(UT)	(UU)	(UV)	(UW)	(UX)	(UY)	(UZ)	(VA)	(VB)	(VC)	(VD)	(VE)	(VF)	(VG)	(VH)	(VI)	(VJ)	(VK)	(VL)	(VM)	(VN)	(VO)	(VP)	(VQ)	(VR)	(VS)	(VT)	(VU)	(VV)	(VW)	(VX)	(VY)	(VZ)	(WA)	(WB)	(WC)	(WD)	(WE)	(WF)	(WG)	(WH)	(WI)	(WJ)	(WK)	(WL)	(WM)	(WN)	(WO)	(WP)	(WQ)	(WR)	(WS)	(WT)	(WU)	(WV)	(WW)	(WX)	(WY)	(WZ)	(XA)	(XB)	(XC)	(XD)	(XE)	(XF)	(XG)	(XH)	(XI)	(XJ)	(XK)	(XL)	(XM)	(XN)	(XO)	(XP)	(XQ)	(XR)	(XS)	(XT)	(XU)	(XV)	(XW)	(XX)	(XY)	(XZ)	(YA)	(YB)	(YC)	(YD)	(YE)	(YF)	(YG)	(YH)	(YI)	(YJ)	(YK)	(YL)	(YM)	(YN)
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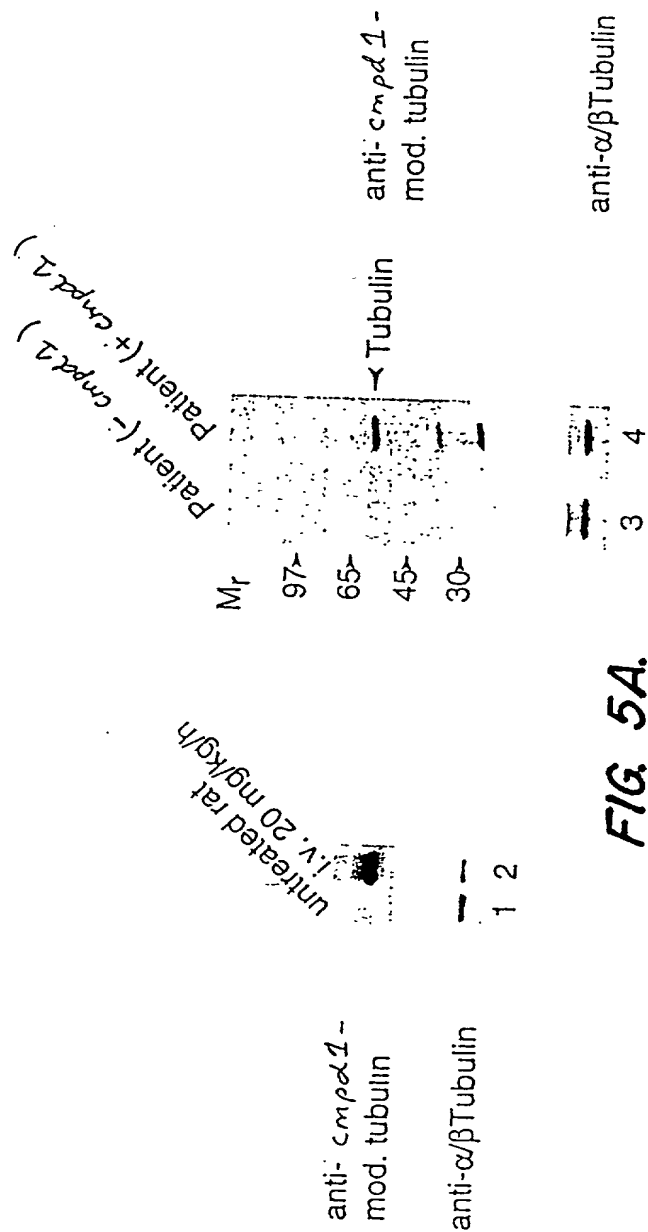


FIG. 5A.

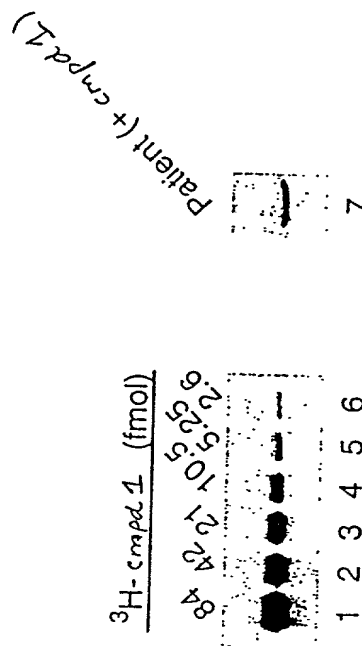


FIG. 5B.